

### ABSTRACT OF THE DISCLOSURE

A method and a system of automatically creating and registering a domain name and an IP address in an IPv6 (IP version 6) network are provided. According to the method of automatically registering a domain name, name information of a network including a host is received. A link local address of the host is created and it is determined whether the created link local address has already been used. If the created link local address has not been used, an interface ID used to determine the host is extracted from the created link local address. A domain name is created using the extracted interface ID and the received name information of the network. The created domain name is registered in a domain name server.